

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1240	gas adj1 port	US-PGPUB	OR	ON	2006/10/26 14:40
L2	3	L1 and fermentor	US-PGPUB	OR	ON	2006/10/26 14:42
L3	2	L1 and aperture near8 pores	US-PGPUB	OR	ON	2006/10/26 14:44
L4	344	L1 and aperture	US-PGPUB	OR	ON	2006/10/26 14:44
L5	114	L4 and pressurized near5 gas	US-PGPUB	OR	ON	2006/10/26 14:45
L6	0	L5 and disk adj1 filter	US-PGPUB	OR	ON	2006/10/26 14:45
L7	56	L5 and filter	US-PGPUB	OR	ON	2006/10/26 14:53
L8	8	L7 and pore near8 size	US-PGPUB	OR	ON	2006/10/26 14:51
L9	0	L7 and sparge adj1 stone	US-PGPUB	OR	ON	2006/10/26 14:51
L10	0	L5 and sparge adj1 stone	US-PGPUB	OR	ON	2006/10/26 14:51
L11	1	L4 and sparge adj1 stone	US-PGPUB	OR	ON	2006/10/26 14:52
L12	1	L4 and disk adj1 filter	US-PGPUB	OR	ON	2006/10/26 14:52
L13	56	( L7 and (5 micron or um))	US-PGPUB	OR	ON	2006/10/26 14:53
L14	2	(L7 and (diameter adj1 5micron or um))	US-PGPUB	OR	ON	2006/10/26 14:55
S1	1233719	2001/0045359 A1	US-PGPUB	OR	ON	2006/10/26 14:39
S2	0	(2001/0045359A1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/23 09:14
S3	0	("20010045359A1").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/23 09:14
S4	1	("20010045359").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/23 09:18
S5	1	("6036940").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/08/23 09:18
S6	1448	bacterial adj1 suspension	US-PGPUB	OR	ON	2006/10/17 08:43
S7	9	S6 and gas adj1 bubbles	US-PGPUB	OR	ON	2006/10/17 11:16
S8	0	floatation near15 lysate	US-PGPUB	OR	ON	2006/10/17 11:17
S9	866	bacteria near15 lysis	US-PGPUB	OR	ON	2006/10/17 11:17
S10	649	S9 and plasmid	US-PGPUB	OR	ON	2006/10/17 11:18
S11	10	S10 and gas adj1 bubbles	US-PGPUB	OR	ON	2006/10/17 11:31

## EAST Search History

S12	2	("3286922").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/17 11:33
S13	1	("5837529").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/17 11:44
S14	0	("L8andlysis").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/17 11:34
S15	1	S13 and lysis	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/25 15:15
S16	0	("floatationandcelladj1lysis").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/17 11:45
S17	57	floatation and cell adj1 lysis	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 11:45
S18	1	S17 and buoyant	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 11:47
S19	5	S17 and gas adj1 stream	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 11:51
S20	5222	mixing near20 gas near25 solution	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 11:54
S21	1	(S10 and (mixing near20 gas near25 solution))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/17 11:59
S22	1	("6197553").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/17 11:59
S23	0	("1999361829").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/23 19:10

## EAST Search History

S24	0	("1999-361829").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/23 19:10
S25	0	(1999/361829).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/23 19:11
S26	0	("US1999-361829").PN.	US-PGPUB	OR	OFF	2006/10/23 19:13
S27	0	("1999-361829").PN.	US-PGPUB	OR	OFF	2006/10/23 19:13
S28	0	(1999/361829).CCLS.	US-PGPUB	OR	OFF	2006/10/23 19:13
S29	0	("2002133002").PN.	US-PGPUB	OR	OFF	2006/10/23 19:23
S30	0	("9361829").PN.	US-PGPUB	OR	OFF	2006/10/23 19:23
S31	1	("6268492").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/24 08:46
S32	1	(S31 and flocculent)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/10/24 08:46
S33	1	("5096818").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/25 15:15

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(FILE 'HOME' ENTERED AT 15:36:14 ON 26 OCT 2006)

FILE 'CAPLUS' ENTERED AT 15:36:49 ON 26 OCT 2006

E US2005-527618/APPS

L1 1 S E3  
L2 15317 S BUBBLES/CT  
E PORE SIZE DIS/CT  
E E4+ALL  
L3 5776 S PORE SIZE DISTRIBUTION/CT  
L4 11117 S PORE SIZE/CT  
L5 31 S L2 AND L3, L4  
L6 205890 S FERMENT?/BI  
L7 0 S L5 AND L6  
L8 35913 S SOLUTIONS/CT OR LIQUIDS/CT OR FLUIDS/CT  
L9 3 S L5 AND L8  
L10 154404 S DNA/CT OR NUCLEIC ACIDS/CT  
L11 2962 S L10 (L) PUR/RL  
L12 1 S L5 AND L11  
L13 1041576 S GAS####  
L14 8 S L5 AND L13  
L15 19262 S SEPARATION/CT  
L16 13462 S SEPARATORS/CT  
L17 2 S L5 AND L15, L16  
L18 13074 S FLOTATION/CT  
L19 2 S L5 AND L18  
L20 1901 S SPARG?  
L21 3 S L20 AND L3, L4  
L22 96 S L2 AND L20  
L23 1 S L11 AND L22  
L24 11 S L22 AND L6  
L25 945 S L2 (L) SIZE#  
L26 3 S L25 AND L20 AND L6  
L27 16 S L25 AND L20 AND L13  
L28 15 S L27 NOT L1, L9, L12, L14, L17, L19, L21, L26  
L29 3710 S CONTACTOR#  
L30 2 S L29 AND L27  
L31 5 S (PRESSURI? OR FINE OR SMALL) AND L27  
L32 528034 S (PUR OR REM)/RL  
L33 1 S L5 AND L32  
L34 1065 S L3, L4 AND L32  
L35 1 S L20 AND L34  
L36 24 S L34 AND L8  
L37 316 S L34 AND L13  
L38 55 S L34 AND L15, L16  
L39 34 S (L36 AND L37, L38) OR (L37 AND L38)  
L40 1 S L34 AND L8 AND L13 AND L15, L16  
L41 27 S L37 AND L36, L38  
L42 1 S L41 AND CARBON/TI  
L43 12 S L36-L38 AND L10  
L44 7 S L43 AND (BIOMOLECULE# OR CELLS OR SEPARATION)/TI  
L45 5 S L44 NOT HYDROXIDES/TI

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(FILE 'HOME' ENTERED AT 13:21:34 ON 26 OCT 2006)

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 13:22:01 ON 26 OCT 2006

L1 251 S GAS PORT  
L2 3 S L1 AND PRESSURIZED GAS  
L3 0 S L1 AND BACTERIAL (W) FERMENTATION  
L4 2 S L1 AND FERMENTOR  
SET SMA OFF  
SEL RAN.CAPLUS(3) L2 1  
SET SMA LOGIN

FILE 'CAPLUS' ENTERED AT 13:30:07 ON 26 OCT 2006

L5 1 S E1

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 13:30:10 ON 26 OCT 2006

L6 166 S L1 AND PY=<2001  
L7 160 DUP REM L6 (6 DUPLICATES REMOVED)  
L8 1 S L7 AND FERMENT?  
L9 13 S L7 AND REACTOR  
L10 0 S L9 AND APERTURE (W) PORES  
L11 0 S L1 AND APERTURE (W) PORES  
L12 0 S L9 AND SIZE 5  
L13 1 S L7 AND PORES  
L14 0 S GAS PORTS WITH PORES  
L15 0 S GAS PORT AND SPARGE STONE  
L16 1 S GAS PORT AND DISK FILTER

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